

Title (en)  
DEVICE FOR DISPENSING FLUID

Title (de)  
SPENDERVORRICHTUNG FÜR FLÜSSIGKEIT

Title (fr)  
DISPOSITIF DE DISTRIBUTION DE FLUIDE

Publication  
**EP 2209558 B1 20150114 (EN)**

Application  
**EP 08845765 A 20081030**

Priority  
• EP 2008064727 W 20081030  
• US 98189507 A 20071101

Abstract (en)  
[origin: WO2009056596A1] A pump (14) for dispensing fluid that includes a pump head (30) having a mixing chamber (134) and a porous member (54). The pump head includes a tube (50) and diaphragm (34). The pump includes a cap (22) having a body (42) defining a cavity (101) that receives the tube. The cap is connected to the diaphragm to define an air chamber (106) communicating with the mixing chamber. The pump includes a spring system (46) received in the tube and cavity. The tube, cavity, and spring system define a liquid chamber (122) that communicates with the mixing chamber. The spring system includes a spring (62) positioned to be compressed such that liquid is urged from the liquid chamber (122) to the mixing chamber and the diaphragm is configured to be compressed such that air is drawn from the air chamber to the mixing chamber. The liquid and air commingle into a mixture that is pushed through the porous member to form a product.

IPC 8 full level  
**B05B 11/00** (2006.01); **B67D 7/76** (2010.01); **B05B 7/00** (2006.01)

CPC (source: EP US)  
**B05B 11/1087** (2023.01 - EP US); **B05B 7/0037** (2013.01 - EP US); **B05B 7/0043** (2013.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/106** (2023.01 - EP US); **B05B 11/1077** (2023.01 - EP)

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